

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A display unit comprising:

an image presentation unit receiving a plurality of monomedia data and presentation style data describing a presentation style of a frame of each of the individual monomedia data, generating scaling/combining control information for combining the individual monomedia data, and generating a composite video frame by combining the individual monomedia data; and

an image enhancing unit obtaining a correction target region of designated monomedia data in the composite video frame in response to the scaling/combining control information, generating correction data by obtaining interframe difference in the correction target region, and generating a video frame by carrying out image enhancing processing of the correction target region in response to the correction data generated, wherein

when the presentation style of the frame is changed,

said image presentation unit generates the scaling/combining control information;

and

said image enhancing unit generates the video frame by carrying out the image enhancing processing of the correction target region in response to the scaling/combining control information changed, and

when detecting that the presentation style of the frame is changed in response to the scaling/combining control information before and after the changes, said image enhancing unit does not carry out the image enhancing processing.

2. (Previously Presented) The display unit according to claim 1, wherein said image enhancing unit carries out the image enhancing processing by correcting values of a display attribute in the correction target region.

3. (Previously Presented) The display unit according to claim 1, wherein said image enhancing unit comprises:

a correction region managing unit obtaining the correction target region of the designated monomedia data in the composite video frame and a compression ratio in the correction target region in response to the scaling/combining control information;

an encoding unit encoding the correction target region in the composite video frame at the compression ratio;

a delaying frame buffer storing encoded data fed from said encoding unit to delay the encoded data by an interval of one frame;

a previous frame decoding unit decoding the encoded data stored in said delaying frame buffer and delayed by an interval of one frame at the compression ratio;

a current frame decoding unit decoding the encoded data fed from said encoding unit at the compression ratio;

a correction data generating unit obtaining the interframe difference by comparing decoded data in the correction target region fed from said previous frame decoding unit and from said current frame decoding unit, and generating the correction data corresponding to the interframe difference obtained; and

an image correction unit generating the video frame by carrying out the image enhancing processing by correcting the correction target region in the composite video frame in accordance with the correction data.

4-5. (Canceled)

6. (Previously Presented) The display unit according to claim 1, further comprising:
an image output unit displaying the video frame generated on a display.

7. (Currently Amended) A method for operating a display unit comprising:

providing an image presentation unit receiving a plurality of monomedia data and presentation style data describing a presentation style of a frame of each of the individual monomedia data, generating scaling/combining control information for combining the individual monomedia data, and generating a composite video frame by combining the individual monomedia data; and

providing an image enhancing unit obtaining a correction target region of designated monomedia data in the composite video frame in response to the scaling/combining control information, generating correction data by obtaining interframe difference in the correction target region, and generating a video frame by carrying out image enhancing processing of the correction target region in response to the correction data generated, wherein

when the presentation style of the frame is changed,

providing said image presentation unit generating the scaling/combining control information; and

providing said image enhancement unit generating the video frame by carrying out the image enhancing processing of the correction target region in response to the scaling/combining control information changed, and
when detecting that the presentation style of the frame is changed in response to the scaling/combining control information before and after the changes, providing said image enhancing unit does not carry out the image enhancing processing.

8. (Previously Presented) The method according to claim 7, wherein said providing an image enhancement unit carries out the image enhancing processing by correcting values of a display attribute in the correction target region.

9. (Previously Presented) The method according to claim 7, wherein said providing an image enhancement unit comprises:

providing a correction region managing unit obtaining the correction target region of the designated monomedia data in the composite video frame and a compression ratio in the correction target region in response to the scaling/combining control information;

providing an encoding unit encoding the correction target region in the composite video frame at the compression ratio;

providing a delaying frame buffer storing encoded data fed from the correction target region to delay the encoded data by an interval of one frame;

providing a previous frame decoding unit decoding the encoded data stored in said delaying frame buffer and delayed by an interval of one frame at the compression ratio;

providing a current frame decoding unit decoding the encoded data fed from said encoding unit at the compression ratio;

providing a correction data generating unit obtaining the interframe difference by comparing decoded data in the correction target region fed from said previous frame decoding unit and from said current frame decoding unit, and generating the correction data corresponding to the interframe difference obtained; and

providing an image correction unit generating the video frame by carrying out the image enhancing processing by correcting the correction target region in the composite video frame in accordance with the correction data.

10-11. (Canceled)

12. (Previously Presented) The method according to claim 7, further comprising:
providing an image output unit displaying the video frame generated on a display.